

FIG. 1

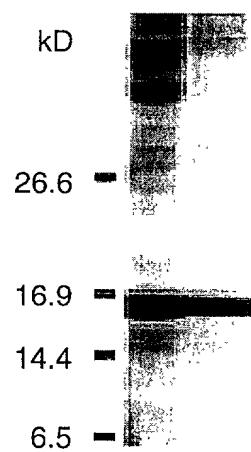


FIG. 2

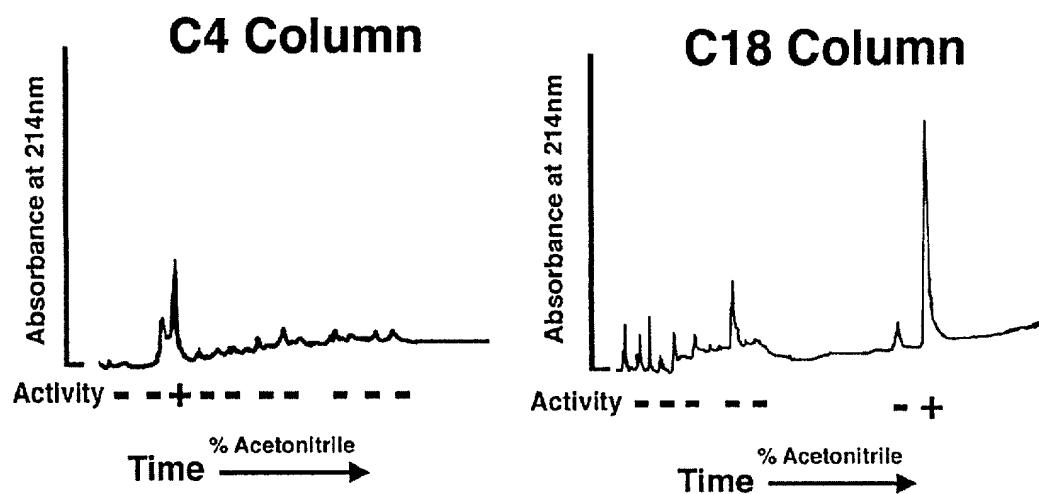


FIG. 3

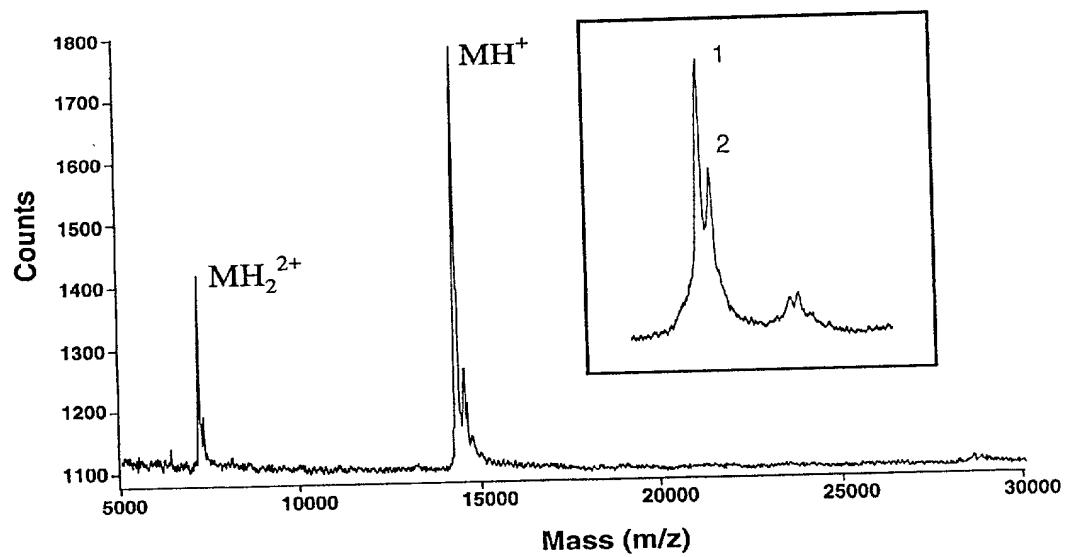


FIG. 4

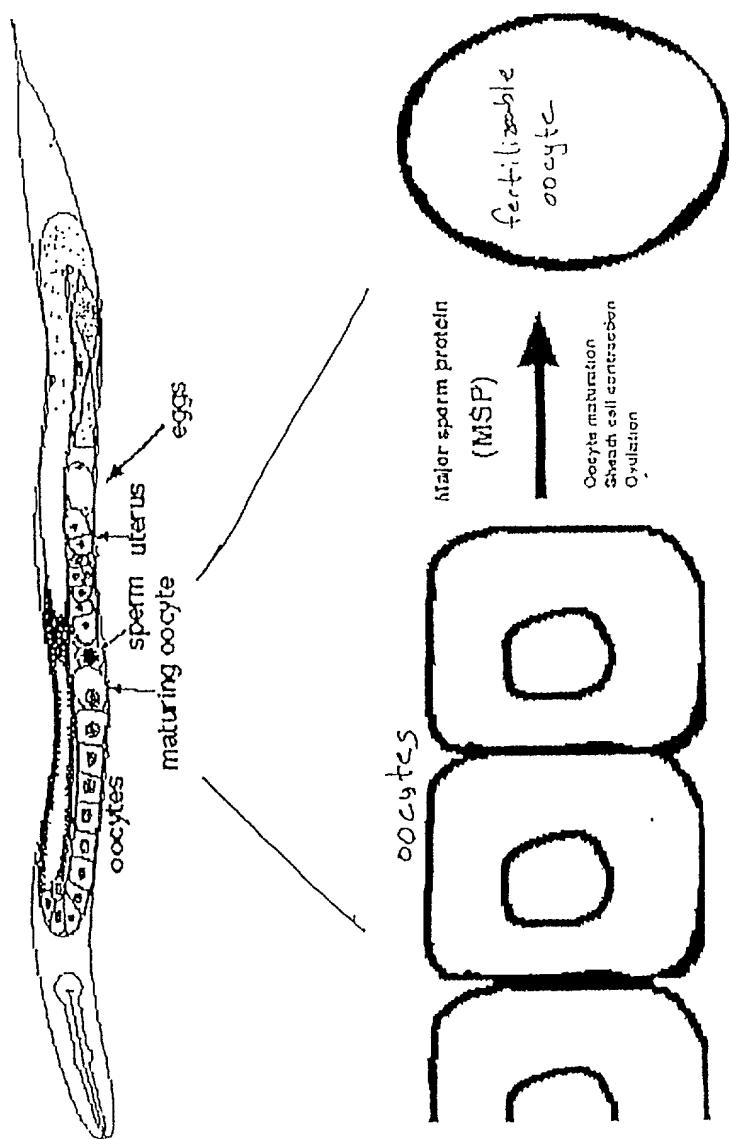


FIG. 5

	10	20	30	40	50	60	70
MSP-3	MAQSVPVPGD1QTQPGTK1VFNAPYDDKHTYHIKVINSARRIGYIKTTNMKRLGVVDPPCGVVLDPKEAVL						
MSP-10	MAQSVPVPGD1QTQPGD1QTQPGNAK1VFNAPYDDKHTYHIKVINSARRIGYIKTTNMKRLGVVDPPCGVVLDPKEAVL						
MSP-19	MAQSVPVPGD1QTQPGD1QTQPGTK1VFNAPYDDKHTYHIKVINSARRIGYIKTTNMKRLGVVDPPCGVVLDPKEAVL						
MSP-31	MAQSVPVPGD1QTQPGD1QTQPGTK1VFNAPYDDKHTYHIKVINSARRIGYIKTTNMKRLGVVDPPCGVVLDPKEAVL						
MSP-33	MAQSVPVPGD1QTQPGD1QTQPGTK1VFNAPYDDKHTYHIKVINSARRIGYIKTTNMKRLGVVDPPCGVVLDPKEAVL						
MSP-38	MAQSVPVPGD1QTQPGD1QTQPGTK1VFNAPYDDKHTYHIKVINSARRIGYIKTTNMKRLGVVDPPCGVVLDPKEAVL						
MSP-40	MAQSVPVPGD1QTQPGD1QTQPGTK1VFNAPYDDKHTYHIKVINSARRIGYIKTTNMKRLGVVDPPCGVVLDPKEAVL						
MSP-45	MAQSVPVPGD1QTQPGD1QTQPGTK1VFNAPYDDKHTYHIKVINSARRIGYIKTTNMKRLGVVDPPCGVVLDPKEAVL						
MSP-49	MAQSVPVPGD1QTQPGD1QTQPGTK1VFNAPYDDKHTYHIKVINSARRIGYIKTTNMKRLGVVDPPCGVVLDPKEAVL						
MSP-50	MAQSVPVPGD1QTQPGD1QTQPGTK1VFNAPYDDKHTYHIKVINSARRIGYIKTTNMKRLGVVDPPCGVVLDPKEAVL						
MSP-51	MAQSVPVPGD1QTQPGD1QTQPGTK1VFNAPYDDKHTYHIKVINSARRIGYIKTTNMKRLGVVDPPCGVVLDPKEAVL						
MSP-53	MAQSVPVPGD1QTQPGD1QTQPGTK1VFNAPYDDKHTYHIKVINSARRIGYIKTTNMKRLGVVDPPCGVVLDPKEAVL						
MSP-55	MAQSVPVPGD1QTQPGD1QTQPGTK1VFNAPYDDKHTYHIKVINSARRIGYIKTTNMKRLGVVDPPCGVVLDPKEAVL						
MSP-56	MAQSVPVPGD1QTQPGD1QTQPGNAK1VFNAPYDDKHTYHIKVINSARRIGYIKTTNMKRLGVVDPPCGVVLDPKEAVL						
MSP-57	MAQSVPVPGD1QTQPGD1QTQPGTK1VFNAPYDDKHTYHIKVINSARRIGYIKTTNMKRLGVVDPPCGVVLDPKEAVL						
MSP-59	MAQSVPVPGD1QTQPGD1QTQPGTK1VFNAPYDDKHTYHIKVINSARRIGYIKTTNMKRLGVVDPPCGVVLDPKEAVL						
MSP-63	MAQSVPVPGD1QTQPGD1QTQPGTK1VFNAPYDDKHTYHIKVINSARRIGYIKTTNMKRLGVVDPPCGVVLDPKEAVL						
MSP-64	MAQSVPVPGD1QTQPGD1QTQPGTK1VFNAPYDDKHTYHIKVINSARRIGYIKTTNMKRLGVVDPPCGVVLDPKEAVL						
MSP-65	MAQSVPVPGD1QTQPGD1QTQPGTK1VFNAPYDDKHTYHIKVINSARRIGYIKTTNMKRLGVVDPPCGVVLDPKEAVL						
MSP-76	MAQSVPVPGD1QTQPGD1QTQPGNAK1VFNAPYDDKHTYHIKVINSARRIGYIKTTNMKRLGVVDPPCGVVLDPKEAVL						
MSP-77	MAQSVPVPGD1QTQPGD1QTQPGTK1VFNAPYDDKHTYHIKVINSARRIGYIKTTNMKRLGVVDPPCGVVLDPKEAVL						
MSP-78	MAQSVPVPGD1QTQPGD1QTQPGTK1VFNAPYDDKHTYHIKVINSARRIGYIKTTNMKRLGVVDPPCGVVLDPKEAVL						
MSP-79	MAQSVPVPGD1QTQPGD1QTQPGTK1VFNAPYDDKHTYHIKVINSARRIGYIKTTNMKRLGVVDPPCGVVLDPKEAVL						
MSP-81	MAQSVPVPGD1QTQPGD1QTQPGTK1VFNAPYDDKHTYHIKVINSARRIGYIKTTNMKRLGVVDPPCGVVLDPKEAVL						
MSP-113	MAQSVPVPGD1QTQPGD1QTQPGTK1VFNAPYDDKHTYHIKVINSARRIGYIKTTNMKRLGVVDPPCGVVLDPKEAVL						
MSP-142	MAQSVPVPGD1QTQPGD1QTQPGTK1VFNAPYDDKHTYHIKVINSARRIGYIKTTNMKRLGVVDPPCGVVLDPKEAVL						
MSP-152	MTQSVPVPGD1QTQPGD1QTQPGTK1VFNAPYDDKHTYHIKVINSARRIGYIKTTNMKRLGVVDPPCGVVLDPKEAVL						

FIG. 6

		80	90	100	110	120	127
MSP-3	LAVSCDAFAFGQEDTNNDRITVEWTNTPDGAAR <u>QFR</u> REWFQGDGMVRRKNLPIEYNP	SEQ	ID	NO:2			
MSP-10	LAVSCDAFAFGQEDTNNDRITVEWTNTPDGAAKQFRREWFQGDGMVRRKNLPIEYNP	SEQ	ID	NO:3			
MSP-19	LAVSCDAFAFGQEDTNNDRITVEWTNTPDGAAKQFRREWFQGDGMVRRKNLPIEYNP	SEQ	ID	NO:1			
MSP-31	LAVSCDAFAFGQEDTNNDRITVEWTNTPDGAAKQFRREWFQGDGMVRRKNLPIEYNP	SEQ	ID	NO:4			
MSP-33	LAVSCDAFAFGQEDTNNDRITVEWTNTPDGAAKQFRREWFQGDGMVRRKNLPIEYNP	SEQ	ID	NO:5			
MSP-38	LAVSCDAFAFGQEDTNNDRITVEWTNTPDGAAKQFRREWFQGDGMVRRKNLPIEYNP	SEQ	ID	NO:1			
MSP-40	LAVSCDAFAFGQEDTNNDRITVEWTNTPDGAAKQFRREWFQGDGMVRRKNLPIEYNP	SEQ	ID	NO:1			
MSP-45	LAVSCDAFAFGQEDTNNDRITVEWTNTPDGAAKQFRREWFQGDGMVRRKNLPIEYNP	SEQ	ID	NO:6			
MSP-49	LAVSCDAFAFGQEDTNNDRITVEWTNTPDGAAKQFRREWFQGDGMVRRKNLPIEYNP	SEQ	ID	NO:1			
MSP-50	LAVSCDAFAFGQEDTNNDRITVEWTNTPDGAAKQFRREWFQGDGMVRRKNLPIEYNP	SEQ	ID	NO:1			
MSP-51	LAVSCDAFAFGQEDTNNDRITVEWTNTPDGAAKQFRREWFQGDGMVRRKNLPIEYNP	SEQ	ID	NO:1			
MSP-53	LAVSCDAFAFGQEDTNNDRITVEWTNTPDGAAKQFRREWFQGDGMVRRKNLPIEYNP	SEQ	ID	NO:7			
MSP-55	LAVSCDAFAFGQEDTNNDRITVEWTNTPDGAAKQFRREWFQGDGMVRRKNLPIEYNP	SEQ	ID	NO:3			
MSP-56	LAVSCDAFAFGQEDTNNDRITVEWTNTPDGAAKQFRREWFQGDGMVRRKNLPIEYNP	SEQ	ID	NO:7			
MSP-57	LAVSCDAFAFGQEDTNNDRITVEWTNTPDGAAKQFRREWFQGDGMVRRKNLPIEYNP	SEQ	ID	NO:1			
MSP-59	LAVSCDAFAFGQEDTNNDRITVEWTNTPDGAAKQFRREWFQGDGMVRRKNLPIEYNP	SEQ	ID	NO:8			
MSP-63	LAVSCDAFAFGQEDTNNDRITVEWTNTPDGAAKQFRREWFQGDGMVRRKNLPIEYNP	SEQ	ID	NO:1			
MSP-64	LAVSCDAFAFGQEDTNNDRITVEWTNTPDGAAKQFRREWFQGDGMVRRKNLPIEYNP	SEQ	ID	NO:1			
MSP-65	LAVSCDAFAFGQEDTNNDRITVEWTNTPDGAAKQFRREWFQGDGMVRRKNLPIEYNP	SEQ	ID	NO:3			
MSP-76	LAVSCDAFAFGQEDTNNDRITVEWTNTPDGAAKQFRREWFQGDGMVRRKNLPIEYNP	SEQ	ID	NO:9			
MSP-77	LAVSCDAFAFGQEDTNNDRITVEWTNTPDGAAKQFRREWFQGDGMVRRKNLPIEYNP	SEQ	ID	NO:10			
MSP-78	LAVSCDAFAFGQEDTNNDRITVEWTNTPDGAAKQFRREWFQGDGM <u>MARR</u> KNLPIEYNP	SEQ	ID	NO:9			
MSP-79	LAVSCDAFAFGQEDTNNDRITVEWTNTPDGAAKQFRREWFQGDGM <u>RR</u> KNLPIEYNP	SEQ	ID	NO:1			
MSP-81	LAVSCDAFAFGQEDTNNDRITVEWTNTPDGAAKQFRREWFQGDGM <u>RR</u> KNLPIEYNP	SEQ	ID	NO:1			
MSP-113	LAVSCDAFAFGQEDTNNDRITVEWTNTPDGAAKQFRREWFQGDGMVRRKNLPIEYNP	SEQ	ID	NO:1			
MSP-142	LAVSCDAFAFGQEDTNNDRITVEWTNTPDGAAKQFRREWFQGDGMVRRKNLPIEYNP	SEQ	ID	NO:3			
MSP-152	LAVSCDAFAFGQEDTNNDRITVEWTNTPDGAAKQFRREWFQGDGMVRRKNLPIEYNP	SEQ	ID	NO:3			

FIG. 6 – Continued

FIG. 7

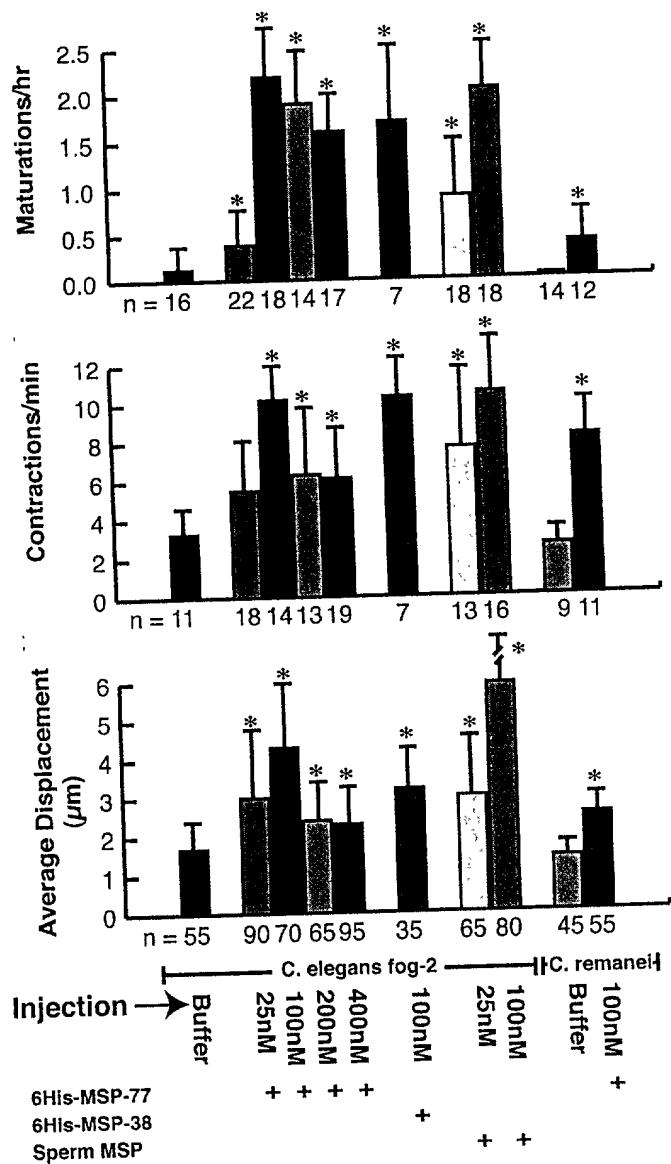


FIG. 8

	110	120
<b>AsMSP<math>\alpha</math></b>	REWFQGDGMVRRKNLPIEYNL	
<b>AsMSP<math>\beta</math></b>	REWFQGDGMVRRKNLPIEYNL	
<b>GrMSP1</b>	LEWFQGDGMVRRKNLPIEYNV	
<b>GrMSP2</b>	LEWFQGDGMVRRKNLPIEYNV	
<b>GrMSP3</b>	LEWFQGDGMVRRKNLPIEYNV	
<b>CeMSP142</b>	REWFQGDGMVRRKNLPIEYNP	
<b>CeMSP33</b>	REWFQGDGMVRRKNLPIEYNP	
<b>OvMSP1</b>	REWFQGDGMVRRKNLPIEYNL	
<b>OvMSP2</b>	REWFQGDGMVRRKNLPIEYNL	

FIG. 9

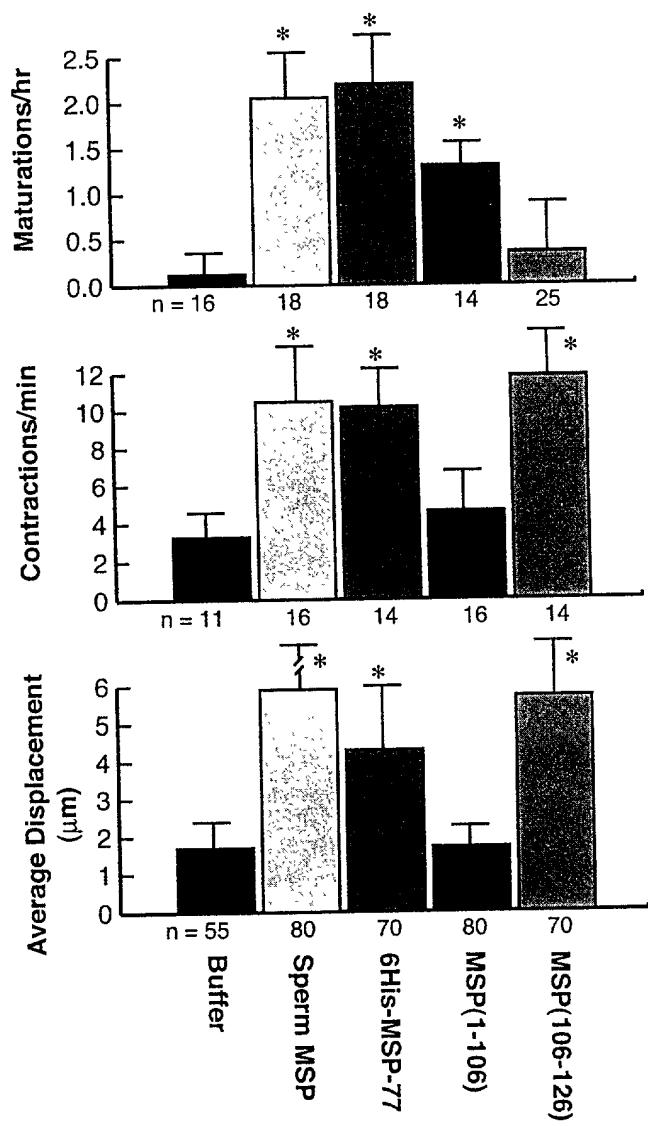


FIG. 10